FIG. 1

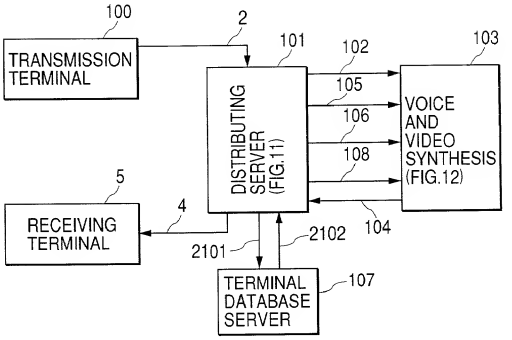

100
2
TRANSMISSION TERMINAL
101
102
103
105
106
108
DISTRIBUTING SERVER (FIG.11)
VOICE AND VIDEO SYNTHESIS (FIG.12)
5
4
RECEIVING TERMINAL
2101
2102
104
TERMINAL DATABASE SERVER
107

FIG. 2

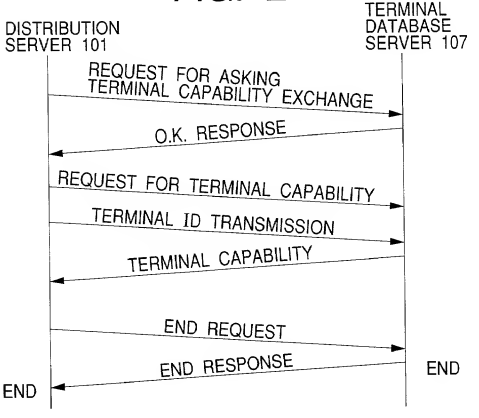

DISTRIBUTION SERVER 101
TERMINAL DATABASE SERVER 107
REQUEST FOR ASKING TERMINAL CAPABILITY EXCHANGE
O.K. RESPONSE
REQUEST FOR TERMINAL CAPABILITY
TERMINAL ID TRANSMISSION
TERMINAL CAPABILITY
END REQUEST
END RESPONSE
END
END

FIG. 3

TERMINAL ID 1	TERMINAL CAPABILITY 1
TERMINAL ID 2	TERMINAL CAPABILITY 2
TERMINAL ID 3	TERMINAL CAPABILITY 3
...	...
TERMINAL ID N	TERMINAL CAPABILITY N

FIG. 4

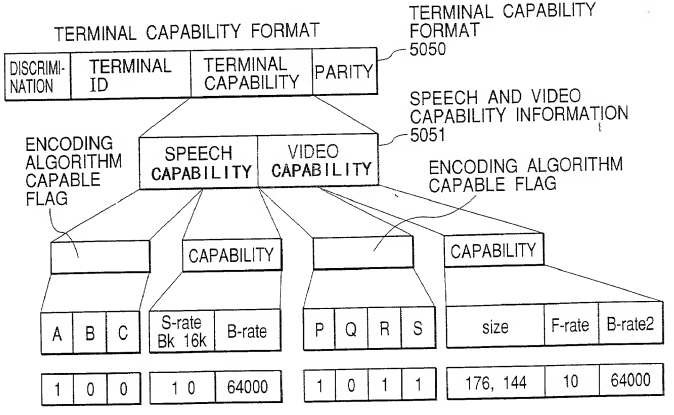


FIG. 5

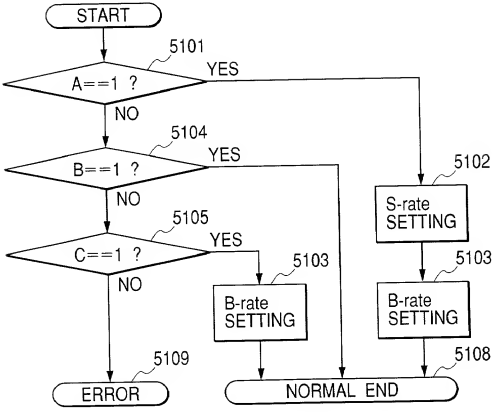

START
5101
A==1 ?
YES
NO
5104
B==1 ?
YES
NO
5105
C==1 ?
YES
NO
5102
S-rate SETTING
5103
B-rate SETTING
5103
B-rate SETTING
5109
ERROR
5108
NORMAL END

FIG. 6

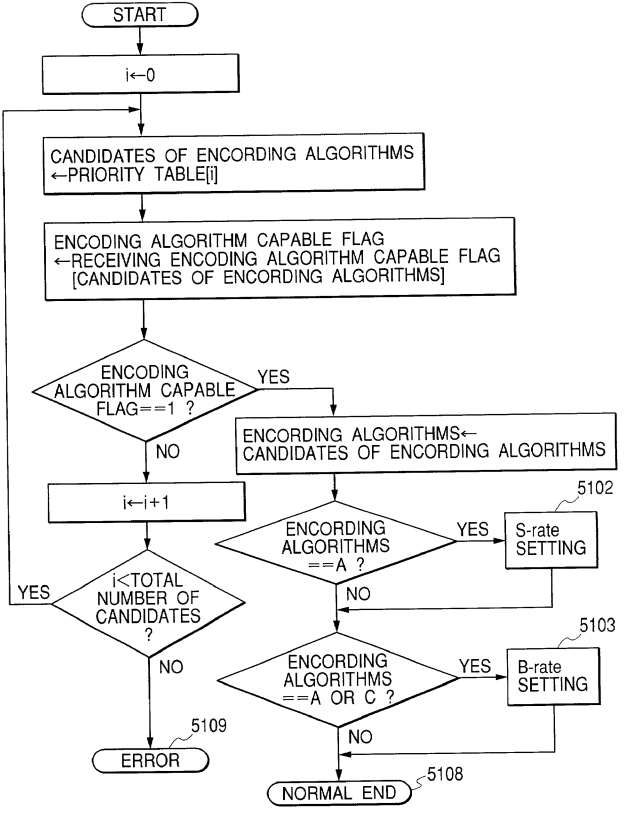

START
i←0
CANDIDATES OF ENCORDING ALGORITHMS ←PRIORITY TABLE[i]
ENCODING ALGORITHM CAPABLE FLAG ←RECEIVING ENCODING ALGORITHM CAPABLE FLAG [CANDIDATES OF ENCORDING ALGORITHMS]
ENCODING ALGORITHM CAPABLE FLAG==1 ?
YES
NO
ENCORDING ALGORITHMS← CANDIDATES OF ENCORDING ALGORITHMS
i←i+1
5102
ENCORDING ALGORITHMS ==A ?
YES
S-rate SETTING
NO
YES
i<TOTAL NUMBER OF CANDIDATES ?
NO
5103
ENCORDING ALGORITHMS ==A OR C ?
YES
B-rate SETTING
NO
5109
ERROR
5108
NORMAL END

FIG. 7

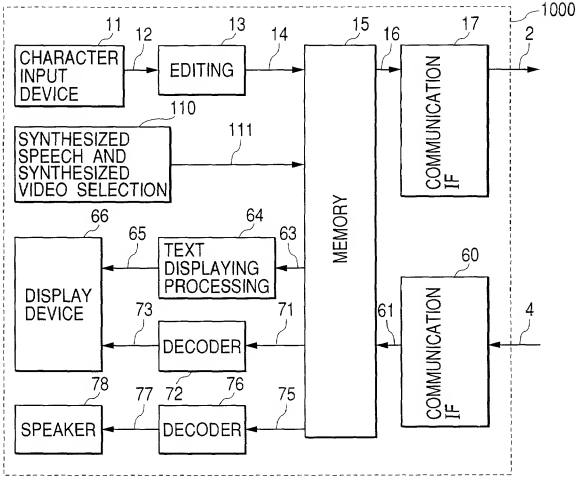

1000
11
12
13
14
15
16
17
2
CHARACTER INPUT DEVICE
EDITING
COMMUNICATION IF
110
SYNTHESIZED SPEECH AND SYNTHESIZED VIDEO SELECTION
111
MEMORY
66
65
64
63
60
DISPLAY DEVICE
TEXT DISPLAYING PROCESSING
73
71
61
4
DECODER
COMMUNICATION IF
78
77
72
76
75
SPEAKER
DECODER

FIG. 8

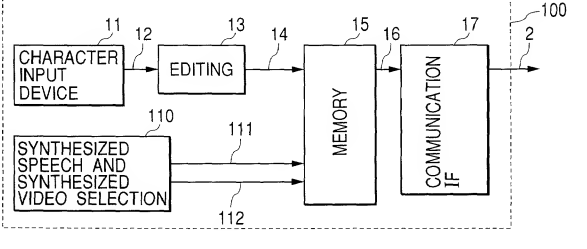

100
11
12
13
14
15
16
17
2
CHARACTER INPUT DEVICE
EDITING
COMMUNICATION IF
110
111
SYNTHESIZED SPEECH AND SYNTHESIZED VIDEO SELECTION
MEMORY
112

FIG. 9

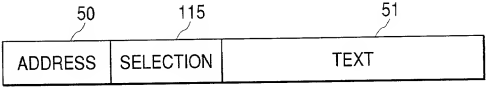

50
115
51
ADDRESS
SELECTION
TEXT

FIG. 10

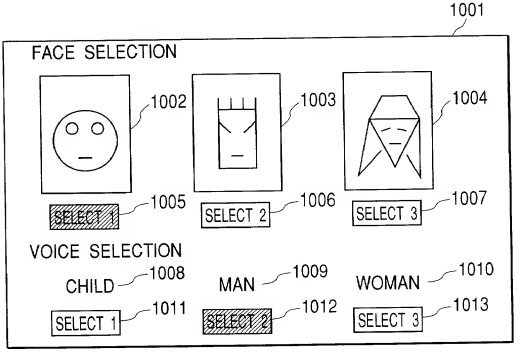

1001
FACE SELECTION
1002
1003
1004
SELECT 1
1005
SELECT 2
1006
SELECT 3
1007
VOICE SELECTION
CHILD
1008
MAN
1009
WOMAN
1010
SELECT 1
1011
SELECT 2
1012
SELECT 3
1013

FIG. 11

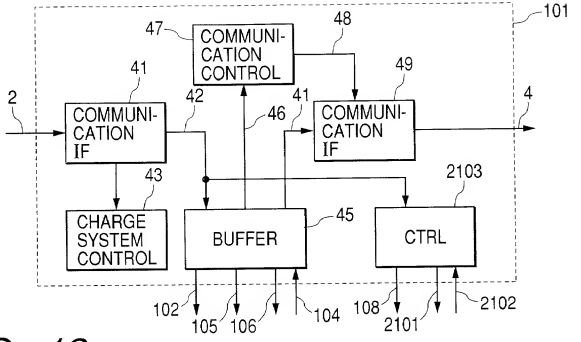

101
47
COMMUNI-
CATION
CONTROL
48
41
49
2
42
41
4
COMMUNI-
CATION
IF
46
COMMUNI-
CATION
IF
2103
43
CHARGE
SYSTEM
CONTROL
BUFFER
45
CTRL
102
105
106
104
108
2101
2102

FIG. 12

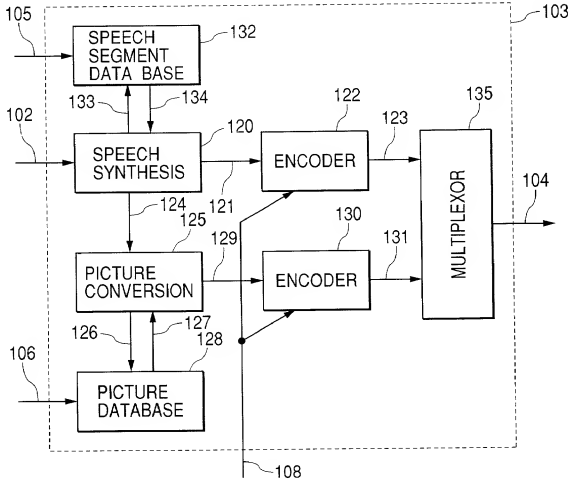

105
103
SPEECH
SEGMENT
DATA BASE
132
133
134
122
135
102
120
123
SPEECH
SYNTHESIS
ENCODER
MULTIPLEXOR
104
124
121
125
130
129
131
PICTURE
CONVERSION
ENCODER
126
127
128
106
PICTURE
DATABASE
108

FIG. 13

TEXT
「お願いします。」
O NE GA I SHI MA SU
SPEECH
FACE PICTURE
0 5 4 1 2 0 1 3 0 6 0

FIG. 14

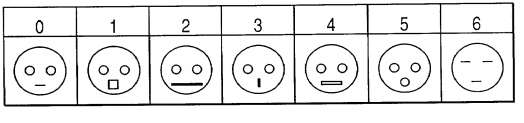

0
1
2
3
4
5
6

FIG. 15

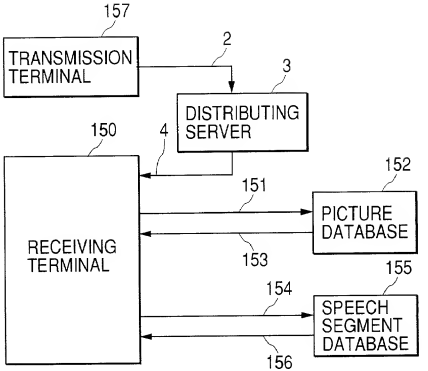

157
TRANSMISSION TERMINAL
2
3
DISTRIBUTING SERVER
150
4
RECEIVING TERMINAL
151
152
PICTURE DATABASE
153
155
154
SPEECH SEGMENT DATABASE
156

FIG. 16

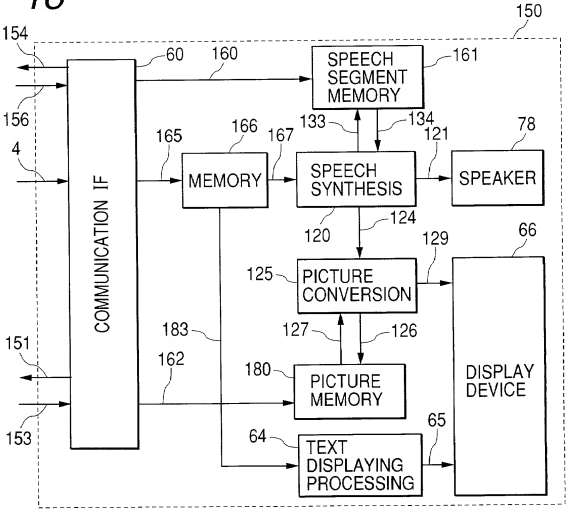

150
154
60
160
SPEECH SEGMENT MEMORY
161
156
165
166
167
133
134
121
78
4
MEMORY
SPEECH SYNTHESIS
SPEAKER
120
124
129
66
125
PICTURE CONVERSION
COMMUNICATION IF
183
127
126
151
162
180
PICTURE MEMORY
DISPLAY DEVICE
153
64
65
TEXT DISPLAYING PROCESSING

FIG. 17

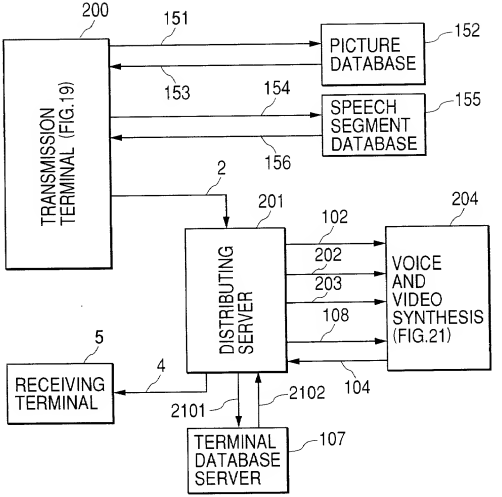

200
151
PICTURE DATABASE
152
153
154
SPEECH SEGMENT DATABASE
155
156
TRANSMISSION TERMINAL (FIG.19)
2
201
102
204
202
203
108
VOICE AND VIDEO SYNTHESIS (FIG.21)
DISTRIBUTING SERVER
5
4
RECEIVING TERMINAL
2101
2102
104
TERMINAL DATABASE SERVER
107

FIG. 18

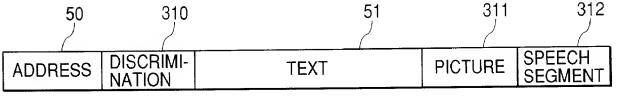

50
310
51
311
312
ADDRESS
DISCRIMI-NATION
TEXT
PICTURE
SPEECH SEGMENT

FIG. 19

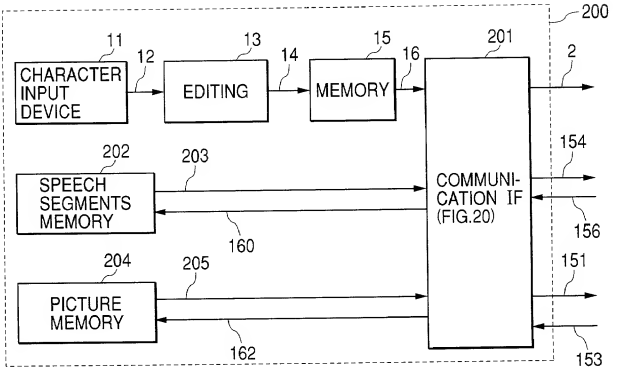

200
11
CHARACTER INPUT DEVICE
12
13
EDITING
14
15
MEMORY
16
201
2
154
202
SPEECH SEGMENTS MEMORY
203
160
COMMUNI-CATION IF (FIG.20)
156
204
PICTURE MEMORY
205
151
162
153

FIG. 20

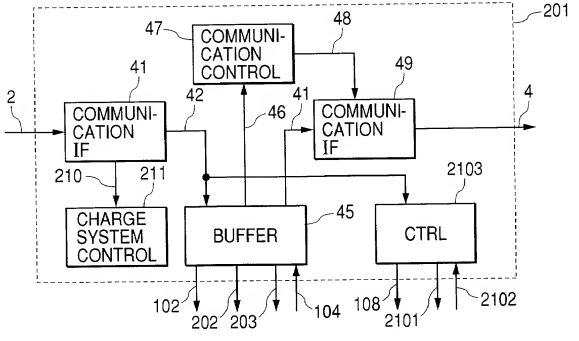

201
47
COMMUNI-CATION CONTROL
48
41
49
2
COMMUNI-CATION IF
42
46
41
COMMUNI-CATION IF
4
210
211
2103
CHARGE SYSTEM CONTROL
BUFFER
45
CTRL
102
202
203
104
108
2101
2102

FIG. 21

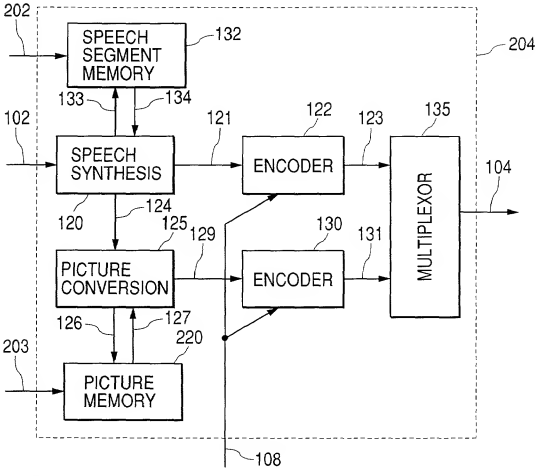

202
SPEECH SEGMENT MEMORY
132
204
133
134
102
121
122
123
135
SPEECH SYNTHESIS
ENCODER
MULTIPLEXOR
104
120
124
125
129
130
131
PICTURE CONVERSION
ENCODER
126
127
220
203
PICTURE MEMORY
108

FIG. 22

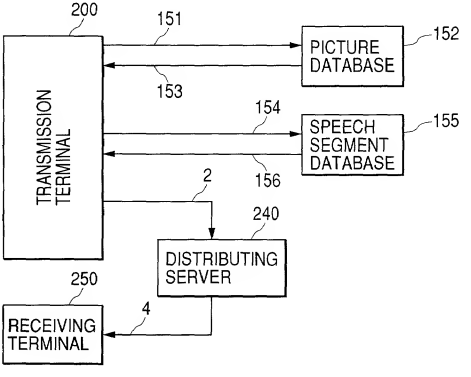

200
151
152
PICTURE DATABASE
153
154
TRANSMISSION TERMINAL
SPEECH SEGMENT DATABASE
155
2
156
240
DISTRIBUTING SERVER
250
4
RECEIVING TERMINAL

FIG. 23

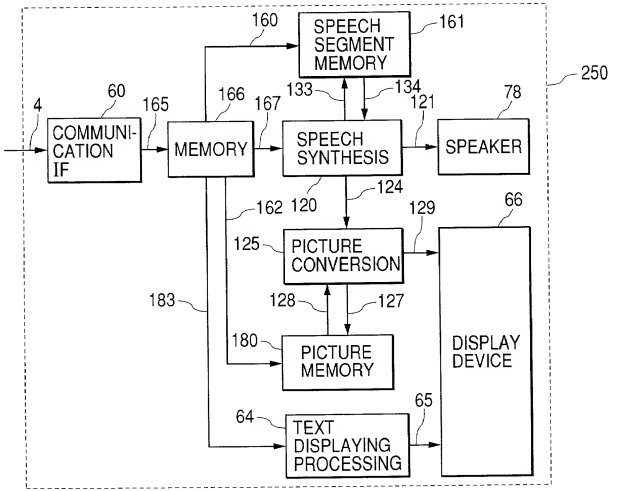

160
SPEECH SEGMENT MEMORY
161
250
4
60
165
166
167
133
134
121
78
COMMUNI-CATION IF
MEMORY
SPEECH SYNTHESIS
SPEAKER
124
162
120
129
66
125
PICTURE CONVERSION
183
128
127
180
PICTURE MEMORY
DISPLAY DEVICE
65
64
TEXT DISPLAYING PROCESSING

FIG. 24

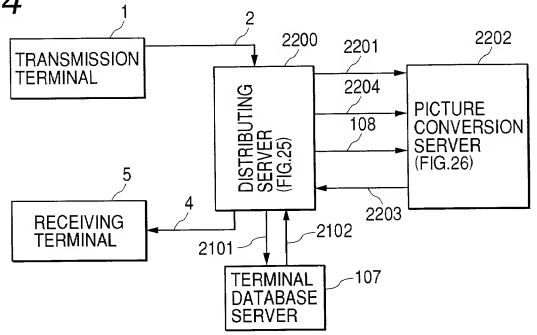

1
2
2200
2201
2202
TRANSMISSION TERMINAL
DISTRIBUTING SERVER (FIG.25)
2204
108
PICTURE CONVERSION SERVER (FIG.26)
5
4
2203
RECEIVING TERMINAL
2101
2102
TERMINAL DATABASE SERVER
107

FIG. 25

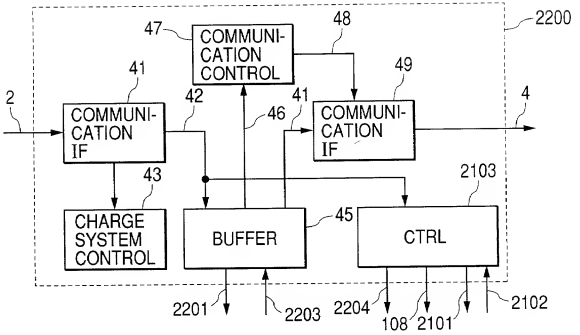
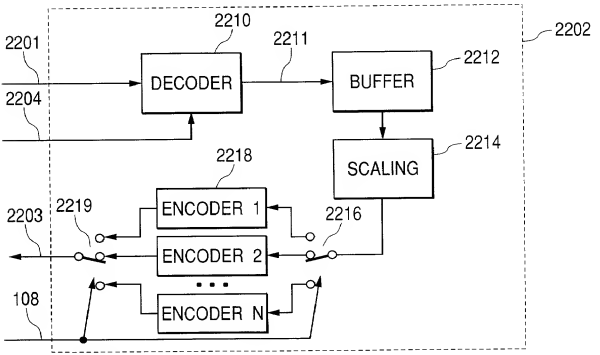

2200
47
COMMUNI-
CATION
CONTROL
48
41
49
2
COMMUNI-
CATION
IF
42
46
41
COMMUNI-
CATION
IF
4
43
2103
CHARGE
SYSTEM
CONTROL
BUFFER
45
CTRL
2201
2203
2204
108
2101
2102

FIG. 26


2210
2202
2201
2211
2212
DECODER
BUFFER
2204
2214
SCALING
2218
2219
2203
ENCODER 1
2216
ENCODER 2
108
ENCODER N